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NOTE OF THANKS. — We tender our thanks to our subscribers for the many kind words of greeting we have received, and for their patronage and contributions for the ANALYST. We are under special obligations to Prof. Casey for his efforts in behalf of the ANALYST on the "Pacific Slope".

We embrace this opportunity to call the attention of our readers to the *map* on p. 4 of cover. Many of them, no doubt, are personally acquainted with the "Rock Island Road" and its officers and do not need our endorsement to select that road as the best, and most direct, line of transit from Chicago to the Pacific coast; but to those who are not, we can say, from an experience of twenty years with that road, that travelers will find, on the *Rock Island Road*, all the comforts and facilities for travel to be found on first class roads anywhere; and officers who are accommodating and attentive to their passengers, and who spare no pains nor expense to keep their road in good condition and their trains on time.

J. E. HENDRICKS.

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PUBLICATIONS RECEIVED.

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*Bulletin of the Philosophical Society of Washington.* Volumes I, II and III. 1871 to 1880.

The *Bulletin* contains notes of the meetings of the Society (semi-monthly), with abstracts of the more important papers read.

*Discussion of a Geometrical Problem, with Biographical Notes.* By MARCUS BAKER, U. S. Coast Survey. [Read before the Phil. Soc. of Wash. and published in the *Bulletin*.]

*Journal de Mathematiques Elementaires et Speciales.* Quatrieme Annee. No. 10.—Octobre, 1880. Paris.

*The Observatory, a Monthly Review of Astronomy.* Edited by W. H. M. CHRISTIE, M. A. Dec. 1880. London.

*Ciel et Terre.* Decembre 1880. Bruxelles.

*Science, a Weekly Review of Scientific Progress.* JOHN MICHELS, Editor. 229 Broadway, New York.

*An Elementary Treatise on Plane Trigonometry.* By J. MORRISON, M. D., M. A. 332 pp. 12mo. Toronto: Canada Publishing Co. 1880.

In discussing the principles of the science, the author has introduced in this book a variety of examples that will not only interest the student but will serve to impress him with the utility of the science.

*The Teacher's Hand-Book of Algebra.* By J. A. McLELLAN, M. A., LL. D. 229 pp. 12mo. Toronto: W. J. Gage and Co. 1879.

Our space will not permit us to notice the various claims this book presents to the teacher. We quote a single paragraph from the preface:

"It gives complete explanations and illustrations of important topics which are strangely omitted or barely touched upon in the ordinary books, such as the Principle of Symmetry, Theory of Divisors, Factoring, Applications of Horner's Division, &c."

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ERRATA.

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On page 9, formula (21), for  $B(r-n)$  read  $B(r-n)$ , &c.  
 " " 12, line 4, for  $i \sin \theta$  read  $i \sin \phi$ .  
 " " 16, " 7, for  $i^{t-2}$  read  $i^{2-t}$ .